

MAR 28 2005

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TO:	FACSIMILE:	TELEPHONE:
U.S. Patent and Trademark Office MS Amendment	(703) 872-9306	

FROM: Gregory P. Einhorn - Reg No. 38,440

DATE: March 28, 2005

Number of pages with cover page: 27

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Comments:

Attorney Docket: 564462001613
Group Art Unit: 1652
Examiner: R. Hutson
Serial No.: 10/034,621
Filing Date: December 21, 2001
Inventor(s): Walter CALLEN et al.
Title: ENZYMES HAVING HIGH TEMPERATURE POLYMERASE
ACTIVITY AND METHODS OF USE THEREOF

Papers attached:

1. Transmittal (1 page)
2. Fee Transmittal (1 page + duplicate)
3. Petition for 1 Month Extension of Time Under 37 CFR 1.136(a) (1 page)
4. Amendment in response to Office Action dated November 26, 2004 (22 pages)

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SD-252104

PTO/SB/21 (09-04)

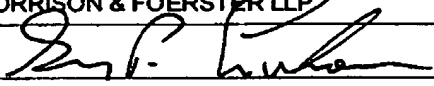
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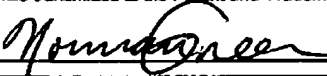
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<h1 style="text-align: center;">TRANSMITTAL FORM</h1> <p style="text-align: center;">(to be used for all correspondence after initial filing)</p>		Application Number	10/034,621
		Filing Date	December 21, 2001
		First Named Inventor	Walter CALLEN
		Art Unit	1652
		Examiner Name	R. Hutson
Total Number of Pages in This Submission	27	Attorney Docket Number	584462001613

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form (1 page + duplicate) <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply (22 pages) <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request (1 page) <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Fax Cover Sheet (1 page)
Remarks Customer No. 45975		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	MORRISON & FOERSTER LLP		
Signature			
Printed name	Gregory P. Einhorn		
Date	March 28, 2005	Reg. No.	38,440

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, facsimile no. (703) 872-9306, on the date shown below.	
Dated: March 28, 2005	Signature:  (Norman Green)

sd-252048

PTO/SB/17 (12-04v2)

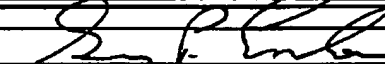
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Effective on 12/04/2004. FEE TRANSMITTAL For FY 2005		Complete If Known	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number	
		10/034,621	
		Filing Date	
		December 21, 2001	
		First Named Inventor	
		Walter CALLEN	
		Examiner Name	
		R. Hutson	
		Art Unit	
		1652	
TOTAL AMOUNT OF PAYMENT		(\$)	60.00
		Attorney Docket No.	
		564462001613	

METHOD OF PAYMENT (check all that apply)	
<input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> None <input type="checkbox"/> Other (please identify): _____	
<input checked="" type="checkbox"/> Deposit Account Deposit Account Number: <u>03-1952</u> Deposit Account Name: <u>Morrison & Foerster LLP</u>	
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)	
<input checked="" type="checkbox"/> Charge fee(s) indicated below <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee	
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 <input checked="" type="checkbox"/> Credit any overpayments	

FEE CALCULATION							
1. BASIC FILING, SEARCH, AND EXAMINATION FEES							
Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	
2. EXCESS CLAIM FEES							
						Small Entity	
Fee Description						Fee (\$)	Fee (\$)
Each claim over 20 (including Reissues)						50	25
Each independent claim over 3 (including Reissues)						200	100
Multiple dependent claims						360	180
<u>Total Claims</u>		<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Multiple Dependent Claims</u>		
- =		x	=		<u>Fee (\$)</u> <u>Fee Paid (\$)</u>		
<u>Indep. Claims</u>		<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>			
- =		x	=				
3. APPLICATION SIZE FEE							
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
<u>Total Sheets</u>	<u>Extra Sheets</u>	<u>Number of each additional 50 or fraction thereof</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>			
- 100 =	/50	(round up to a whole number) x	=				
4. OTHER FEE(S)							
Non-English Specification, \$130 fee (no small entity discount)						<u>Fees Paid (\$)</u>	
Other (e.g., late filing surcharge): 2251 Extension for response within first month						60.00	

SUBMITTED BY			
Signature		Registration No. (Attorney/Agent)	38,440
Name (Print/Type)	Gregory P. Einhorn	Telephone	(858) 720-5133
		Date	March 28, 2005

sd-252047

PTO/SB/17 (12-04v2)
Approved for use through 7/31/2008. OMB 0851-0032
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.
Fee pursuant to the Consolidated Appropriations Act, 2005 (P.L.R. 4918).

FEE TRANSMITTAL

For FY 2005

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT		(\$) 60.00		Complete if Known	
				Application Number	10/034,621
				Filing Date	December 21, 2001
				First Named Inventor	Walter CALLEN
				Examiner Name	R. Hutson
				Art Unit	1652
				Attorney Docket No.	564462001613

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account. Deposit Account Number: **03-1952** Deposit Account Name: **Morrison & Foerster LLP**

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☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims **Extra Claims** **Fee (\$)** **Fee Paid (\$)**

____ - ____ = ____ x ____ = ____

Indep. Claims **Extra Claims** **Fee (\$)** **Fee Paid (\$)**

____ - ____ = ____ x ____ = ____

3. APPLICATION SIZE FEE

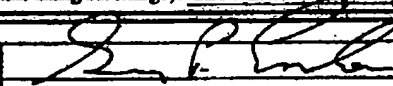
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
____ - 100 = ____	/50	____ (round up to a whole number) x	____	____

4. OTHER FEE(S)

Description	Fee (\$)	Fee Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)		
Other (e.g., late filing surcharge): 2251 Extension for response within first month	60.00	

SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	38,440	Telephone	(858) 720-5133
Name (Print/Type)	Gregory P. Einhorn	Date	March 28, 2005		

**Duplicate Copy
For Fee Processing**

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